



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Eastman Chemical Company (MA)**  
730 Worcester Street  
Springfield, MA 01151

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Saflex Clear and Color Glass Interlayers**

**APPROVAL DOCUMENT:** Drawing No. 1813, titled "Saflex Based Interlayers for Laminated Glass" sheets 1 through 3 of 3, dated 04/06/2012, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None**

**LABELING:** Glass laminated under this product approval shall be permanently marked in a corner of the glass with: a) Saflex, b) Authorized laminator's name, c) M.D.C.A. that stands for Miami Dade County Approved and d) Markings required by federal law for safety glazing.

**LIMITATION:** This approval does not include an evaluation of structural performance of this component.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 12-1231.10 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*Handwritten signature and date: 06/09/2014*

NOA No. 14-0423.17  
Expiration Date: May 21, 2016  
Approval Date: June 19, 2014  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS** *"Submitted under NOA # 12-1231.10"*

1. Drawing No. 1813, titled "Saflex Based Interlayers for Laminated Glass" sheets 1 through 3 of 3, dated 04/06/2012, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS** *"Submitted under NOA # 11-0325.05"*

	Test Report No.	Standard	Date	Signature
1.	ETC-11-726-25078.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
2.	ETC-11-726-25076.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
3.	ETC-11-726-25080.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
4.	ETC-11-726-25077.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
5.	ETC-11-726-25079.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
6.	ETC-11-726-24882.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
7.	ETC 96-191-3253.0	ASTM G26 & C158	11/05/97	Joseph L. Doldan, P.E.
8.	ETC 98-191-5523.0	ASTM G26 & C158	05/11/99	Joseph L. Doldan, P.E.

*"Submitted under NOA # 09-0223.05"*

9.	ETC-07-726-20120.0	ASTM D2843	07/17/08	Joseph L. Doldan, P.E.
10.	ETC-07-726-20120.0	ASTM D1929	07/17/08	Joseph L. Doldan, P.E.
11.	ETC-07-726-20120.0	ASTM D635	07/17/08	Joseph L. Doldan, P.E.
12.	ETC-07-726-20120.0	ASTM C158	07/17/08	Joseph L. Doldan, P.E.

**C. CALCULATIONS:**

1. None.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

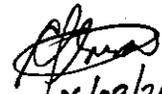
1. None.

**F. STATEMENTS**

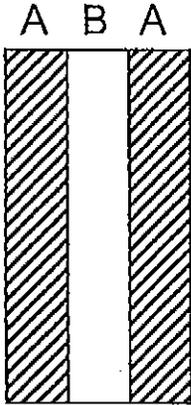
1. Statement letter of code conformance to 2010 and 5<sup>th</sup> edition (2014) FBC, issued by W. W. Schaefer Engineering & Consulting, P.A., dated 04/10/2014, signed and sealed by Warren W. Schaefer, P.E.

*"Submitted under NOA # 11-1102.11"*

2. No financial interest letter issued by W. W. Schaefer Engineering & Consulting, P.A., on 10/24/2011, signed and sealed by Warren W. Schaefer, P.E.

  
106/09/2014

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 14-0423.17  
Expiration Date: May 21, 2016  
Approval Date: June 19, 2014



**SECTION**

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-1231.10  
 Expiration Date 05/21/2016  
 By [Signature]  
 Miami Dade Product Control

**Saflex® PVB Interlayer**  
 (clear &/or colored Saflex @35% – 50%)

**Product Description**

Manufactured By: Eastman Chemical Company  
 Description: Clear or Colored monolithically extruded interlayers made of polyvinyl butyral resin and triethyleneglycol bis(2-ethyl hexanoate) plasticizer at concentrations between 35 and 50%. Interlayer is offered under the brand names of Saflex® and Vanceva® for lamination between a minimum of two glasses. A typical glazing is made of the following components (minimum thicknesses indicated - multiple plies of interlayers to be used as necessary):

- A - 2.3 mm (3/32-in) Annealed Glass
- B - 0.76 mm (0.030-in) Saflex® and/or Vanceva® Interlayers

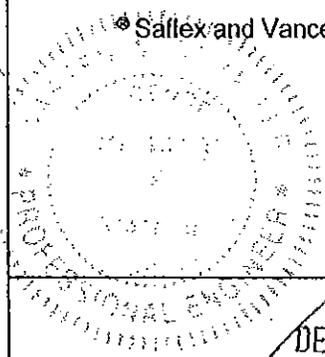
PRODUCT REVISED  
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 Miami Dade Product Control

**Product Properties**

Description	Test	Saflex® @ 30% (2)		
(1) Self-ignition temperature	ASTM D 1929	760 °F		
(1) Smoke Density	ASTM D 2843	5%		
(1) Rate of Burning	ASTM D635	< 25 mm mark (not reported)		
(1) Time of Burning	ASTM D635	< 5 sec		
(1) Extent of Burning	ASTM D635	0.31 in		
(1) Avg Mod of Rupture	ASTM C158	(1) Weathering (3)	Before	After
			2556 psi	2657 psi

- (1) Specimen: Laminated glass with Saflex® and/or Vanceva® Interlayer
- (2) Interlayer by itself (unprotected) does NOT comply with Florida Building Code
- (3) Weathering per section 2612 of the Florida Building Code

\* Saflex and Vanceva are registered trademarks of Eastman Chemical Company



Warren W. Schaefer, P.E.  
 Structural Engineer  
 P.E. No. 44135

**Eastman Chemical Company**  
 730 Worcester Street, Springfield, MA 01151  
 Phone: 413-730-3413 FAX: 508-861-0127

Title: **Saflex® Based Interlayers for Laminated Glass**

W.W. Schaefer Engineering & Consulting, P.A.  
 Structural Consulting Engineers  
 7480 150<sup>th</sup> Court North  
 Palm Beach Gardens, FL 33418  
 Phone: 561-744-3424

Drawing Number	Sheet Number	Drawing Date	Revisions Date
1813	1 of 3	04/06/12	

Saflex® PVB Interlayer continued

### Saflex® Multi-layer Product Properties

Footnote	Description	Test	Dade County Criteria	Saflex Multi-layer Series (2)
(1)	Test for Smoke Density	ASTM D 2843	Passed (<75%)	26.6%
(1)	Self Ignition Temperature	ASTM D 1929	Passed (>650°F)	750°F
(1)	Rate of Burning	ASTM D 635	Passed (C-1:<1.0 in/min)	---
(1)	Average Time of Burning	ASTM D 635	----	< 5 sec.
(1)	Average Extent of Burning	ASTM D 635	----	0.51 in
(1) & (3)	Average Modulus of Rupture	ASTM C 158	Passed (<10.0%)	Delta:4.9% Before: 3842 psi After: 4042 psi

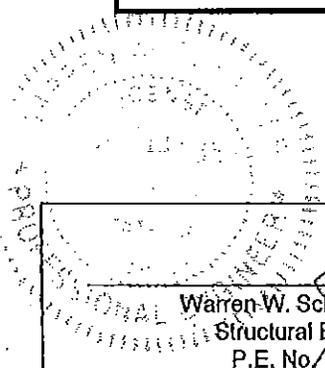
- (1) Specimen: Laminated glass with Saflex® Multi-layer interlayer
- (2) Interlayer by itself (unprotected) does NOT comply with Florida Building Code
- (3) Weathering per section 2612 of the Florida Building Code

### Saflex® and Vanceva® Solar/Color and Colorant Properties

Material Designation	Smoke Density Rating ASTM D 2843	Dade Notification #
Vanceva® & Saflex® – Clear	5%	ETC-11-726-25079.0
Vanceva® & Saflex® – White	20%	ETC-11-726-25076.0
Vanceva® & Saflex® – Black	2%	ETC-11-726-25080.0
Vanceva® & Saflex® – Blue	5%	ETC-11-726-25077.0
Vanceva® & Saflex® – Yellow	9%	ETC-11-726-25079.0
Vanceva® & Saflex® – Red	10%	ETC-11-726-24882.0

**PRODUCT REVISED**  
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 By [Signature]  
 Miami Dade Product Control

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 By [Signature]  
 Miami Dade Product Control



DEC 11 2012

Warren W. Schaefer, P.E.  
 Structural Engineer  
 P.E. No. 44135

**Eastman Chemical Company**  
 730 Worcester Street, Springfield, MA 01151  
 Phone: 413-730-3413 FAX: 508-861-0127

Title: **Saflex® IIG Based Interlayers for Laminated Glass**

W.W. Schaefer Engineering & Consulting, P.A. Structural Consulting Engineers 7480 150th Court North Palm Beach Gardens, FL 33418 Phone: 561-744-3424	Drawing Number	Sheet Number	Drawing Date	Revisions Date
	1813	2 of 3	04/06/12	

Saflex® PVB Interlayer continued

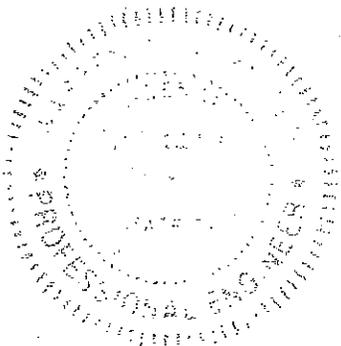
Saflex® interlayers are known as Saffex, Saflex colors, Saflex Multi-layer, SilentGlass Technology™ and Vanceva® Color

Vanceva and/or Saflex are known as: AR,CL,DA through DZ,,MG,NA,RA through RZ, SA through SZ, and VA through VZ. (e.g.: RB41, NA71).

Saflex® Multi-layer interlayers are known as: Q series (QA through QZ) and Silent Glass Technology (e.g.: QB 51, QS 41 etc...).

® Saflex and Vanceva are registered trademarks of Eastman Chemical Company  
 ™ Silent Glass Technology is a trademark of Eastman Chemical Company

This is a component approval and does not include an evaluation of structural performance of this component. Systems incorporating this component shall apply for an NOA to the Miami-Dade Product Control and shall submit test reports and other required documents showing that the systems using this component will resist the loads according to chapter 16 of the F.B.C. A list of authorized laminators shall be filed with Miami- Dade County by Eastman Chemical Company



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DEC 11 2012 <hr/> Warren W. Schaefer, P.E. Structural Engineer P.E. No. 44135	<b>Eastman Chemical Company</b> 730 Worcester Street, Springfield, MA 01151 Phone: 413-730-3413 FAX: 508-861-0127			
Title: <b>Saflex® III G Based Interlayers for Laminated Glass</b>				
W.W. Schaefer Engineering & Consulting, P.A. Structural Consulting Engineers 7480 150th Court North Palm Beach Gardens, FL 33418 Phone: 561-744-3424	Drawing Number  1813	Sheet Number  3 of 3	Drawing Date  04/06/12	Revisions Date